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Substitute for form 1449A/PTO		Completeness	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Applicant Number	Continuation of 10/006,915
		Filing Date	February 6, 2004
		First Named Inventor	Gjalt W. Huisman
		Group Art Unit	1052
		Examiner Name	
Sheet 1 of 15	Attorney Docket Number	MBX 017 CON (2)	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
CA		4,430,430		Momose, et al.	02-07-1989	
		4,876,331		Doi	10-24-1989	
		5,245,023		Peoples, et al.	09-14-1993	
		5,250,430		Peoples, et al.	10-05-1993	
		5,286,842		Kimura	02-15-1994	
		5,292,860		Shiotani et al	03-08-1994	
		5,378,616		Tujimoto, et al.	01-03-1995	
		5,461,139		Gonda, et al.	10-24-1995	
		5,502,273		Bright, et al.	03-26-1996	
		5,516,883		Hori, et al.	05-14-1996	
		5,534,432		Peoples, et al.	07-09-1996	
		5,563,239		Hubbs, et al.	10-08-1996	
		5,602,321		John	02-11-1997	
		5,610,041		Somerville, et al.	03-11-1997	
		5,650,555		Somerville, et al.	07-22-1997	

FOREIGN PATENT DOCUMENTS								
Examiner Initials ^a	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^b
		Office. ³	Number ⁴	Kind Code ⁵ (if known)				

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		Filing Date	February 6, 2004
		First Named Inventor	Gjalt W. Huisman
		Group Art Unit	165
		Examiner Name	
Sheet 2 of 15	Attorney Docket Number	MBX 017 CON (2)	

U.S. PATENT DOCUMENTS						
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		5,663,063		People, et al.	09-02-1997	
		6,117,658		Dennis et al.	09-12-2000	

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		Application Number	Continuation 110/006,915
		Filing Date	February 6, 2004
		First Named Inventor	Gjalt W. Huisman
		Group Art Unit	1652
		Examiner Name	
Sheet 3 of 15	Attorney Docket Number	MBX 017 CON (2)	

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
C/N		ABE, et al., "Biosynthesis from gluconate of a random copolyester consisting of 3-hydroxybutyrate and medium-chain-length 3-hydroxyalkanoates by <i>Pseudomonas</i> sp. 61-3," <i>Int. J. Biol. Macromol.</i> 16:115-119 (1994).	
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Examiner's Signature	<i>C. N. Huisman</i>	Date Considered	3/11/05
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		Applicati n Number	Continuati n f 10/006,915
		Filing Date	February 6, 2004
		First Named Inventor	Gjalt W. Hulsman
		Group Art Unit	16572
Examiner Name			
Sheet	4	of	15
		Attorney Docket Number	MBX 017 CON (2)

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
CH		BENACHENHOU-LAHFA, et al., "PCR-mediated cloning and sequencing of the gene encoding glutamate dehydrogenase from the archaeon <i>Sulfolobus shibatae</i> : identification of putative amino-acid signatures for extremophilic adaptation," <i>Gene</i> 140: 17-24 (1994).	
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CH		CHO, et al., "Identification of <i>Agrobacterium tumefaciens</i> genes that direct the complete catabolism of octopine," <i>J. Bacteriol.</i> 178:1872 (1996).	
Examiner's Signature	[Signature]		Date Considered

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		Filing Date	February 6, 2004		
		First Named Inventor	Gjalt W. Huisman		
		Group Art Unit	1652		
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Sheet	5	of	15	Attorney Docket Number	MBX 017 CON (2)

OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
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CA		CHU, et al., "Enzymatically active truncated cat brain glutamate decarboxylase: expression, purification, and absorption spectrum," <i>Arch. Biochem. Biophys.</i> 313:287-295 (1994).	
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CA		DOI, et al., "Biosynthesis and characterization of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) in <i>Alcaligenes eutrophus</i> ," <i>Int. J. Biol. Macromol.</i> 12: 106 (1990).	

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		Filing Date	February 6, 2004		
		First Named Inventor	Gjalt W. Hulsman		
		Group Art Unit	1652		
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Sheet	6	of	15	Attorney Docket Number	MBX 017 CON (2)

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		GERNGROSS, et al., "Overexpression and purification of the soluble polyhydroxyalkanoate synthase from <i>Alcaligenes eutrophus</i> : evidence for a required posttranslational modification for catalytic activity," <i>Biochemistry</i> 33: 9311 (1994).	

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CH		GONZALEZ, et al., "Cloning of a yeast gene coding for the glutamate synthase small subunit (GUS2) by complementation of <i>Saccharomyces cerevisiae</i> and <i>Escherichia coli</i> glutamate auxotrophs," <i>Mol. Microbiol.</i> 6:301-308 (1992).		
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		JESUDASON & MARCHESSAULT, "Synthetic Poly[(R,S)-β-hydroxyalkanoates] with Butyl and Hexyl Side Chains," <i>Macromolecules</i> 27:2595-602 (1994).		
		JIMENEZ-ZURDO, et al., "The <i>Rhizobium meliloti</i> putA gene: its role in the establishment of the symbiotic interaction with alfalfa," <i>Mol. Microbiol.</i> 23:85 (1997).		
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	Continuation 110/006,915
		Filing Date	February 6, 2004
		First Named Inventor	Gjalt W. Hulsman
		Group Art Unit	1612
Examiner Name		Attorney Docket Number	MBX 017 CON (2)
Sheet	8	of	15

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
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CJA		KATO, et al., "Production of a novel copolyester of 3-hydroxybutyric acid with a medium-chain-length 3-hydroxyalkanoic acids by <i>Pseudomonas</i> sp. 61-3 from sugars," <i>Appl. Microbiol. Biotechnol.</i> 45:363-70 (1996).	
		KEUNTJE, et al., "Expression of the putA gene encoding proline dehydrogenase from <i>Rhodobacter capsulatus</i> is independent of NtrC regulation but requires an Lrp-like activator protein," <i>J. Bacteriol.</i> 177:6432 (1995).	
		KIMURA, et al., "Production of Poly(3-hydroxybutyrate-co-4-hydroxybutyrate) by <i>Pseudomonas Acidovorans</i> ," <i>Biotechnol. Lett.</i> 14:445 (1992).	
		KINNAIRD, et al., "The complete nucleotide sequence of the <i>Neurospora crassa</i> am (NADP-specific glutamate dehydrogenase) gene," <i>Gene</i> 26:253-260 (1983).	
		KIRBY, et al., "Purification and properties of rabbit brain and liver 4-aminobutyrate aminotransferases isolated by monoclonal-antibody immunoadsorbent chromatography," <i>Biochem. J.</i> 230:481-488 (1985).	
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CJA		LEE, et al., "Biosynthesis of copolyesters consisting of 3-hydroxybutyric acid and medium-chain-length 3-hydroxyalkanoic acids from 1,3-butanediol or from 3-hydroxybutyrate by <i>Pseudomonas</i> sp. A33," <i>Appl. Microbiol. Biotechnol.</i> 42: 901-909 (1995).	
Examiner's Signature	CJA		Date Considered 2/4/05

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		Filing Date	February 6, 2004
		First Named Inventor	Gjalt W. Huijsman
		Group Art Unit	1652
		Examiner Name	
Sheet 9 of 15	Attorney Docket Number	MBX 017 CON (2)	

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CJA		LEE, et al., "Enhanced biosynthesis of P(3HB-3HV) and P(3HB-4HB) by amplification of the cloned PHB biosynthesis genes in <i>Alcaligenes eutrophus</i> ," <i>Biotechnol. Lett.</i> 19: 771-774 (1997).	
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		MCLAGGAN, et al., "Interdependence of K ⁺ and glutamate accumulation during osmotic adaptation of <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 269:1911 (1994).	
		MEASURES, "Role of amino acids in osmoregulation of non-halophilic bacteria," <i>Nature</i> 257:398 (1975).	
CJA		METZER AND HALPERN, "In vivo cloning and characterization of the gabCTDP gene cluster of <i>Escherichia coli</i> K-12," <i>J. Bacteriol.</i> 172: 3250-3256 (1990).	
Examiner's Signature	CJA		Date Considered 9/9/05

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		Filing Date	February 6, 2004		
		First Named Inventor	Gjalt W. Hulsman		
		Group Art Unit	1252		
		Examiner Name			
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CP		MILLER, et al., "Cloning and characterization of gdhA, the structural gene for glutamate dehydrogenase of Salmonella typhimurium," <i>J. Bacteriol.</i> 157:171-178 (1984).	
		MIYAMOTO, et al., "Possible physiological roles of aspartase, NAD- and NADP-requiring glutamate dehydrogenases of <i>Pseudomonas fluorescens</i> ," <i>J. Biochem.</i> 112:52-56 (1992).	
		MOORE & BOYLE, "Nucleotide sequence and analysis of the speA gene encoding biosynthetic arginine decarboxylase in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 172:4631 (1990).	
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		MOUNTAIN, et al., "The <i>Klebsiella aerogenes</i> glutamate dehydrogenase (gdhA) gene: cloning, high-level expression and hybrid enzyme formation in <i>Escherichia coli</i> ," <i>Mol. Gen. Genet.</i> 199:141-145 (1985).	
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		NAM, et al., "Differential expression of ADC mRNA during development and upon acid stress in soybean (<i>Glycine max</i>) hypocotyls," <i>Plant Cell Physiol.</i> 38:1156 (1997).	
		OLIVER, et al., "Determination of the nucleotide sequence for the glutamate synthase structural genes of <i>Escherichia coli</i> K-12," <i>Gene</i> 60:1 (1987).	
CP		OWEN & PEN, eds., <i>Transgenic Plants: A Production System for Industrial and Pharmaceutical Proteins</i> John Wiley & Sons Ltd: England, 1996.	

Examiner's Signature		Date Considered	7/9/05 7/9/05
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		Filing Date	February 6, 2004		
		First Named Inventor	Gjalt W. Hulsman		
		Group Art Unit	1652		
		Examiner Name			
Sheet	11	of	15	Attorney Docket Number	MBX 017 CON (2)

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EP		PARK, et al., "Isolation and characterization of recombinant mitochondrial 4-aminobutyrate aminotransferase," <i>J. Biol. Chem.</i> 268: 7636-7639 (1993).		
		PELANDA, et al., "Glutamate synthase genes of the diazotroph <i>Azospirillum brasilense</i> . Cloning, sequencing, and analysis of functional domains," <i>J. Biol. Chem.</i> 268:3099 (1993).		
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		POIRIER et al., "Polyhydroxybutyrate, a Biodegradable Thermoplastic Produced in Transgenic Plants," <i>Science</i> 256:520-523 (1992).		
		PRESECAN, et al., "The <i>Bacillus subtilis</i> genome from gerBC (311 degrees) to licR (334 degrees)," <i>Microbiology</i> 143:3313 (1997).		
		RASTOGI, et al., "Cloning of tomato (<i>Lycopersicon esculentum</i> Mill.) arginine decarboxylase gene and its expression during fruit ripening," <i>Plant Physiol.</i> 103:829 (1993).		
		REDENBACH, et al., "A set of ordered cosmids and a detailed genetic and physical map for the 8 Mb <i>Streptomyces coelicolor</i> A3(2) chromosome," <i>Mol. Microbiol.</i> 21:77 (1996).		
		REITZER, "Ammonia Assimilation and the Biosynthesis of Glutamine, Glutamate, Aspartate, Asparagine, L-Alanine, and D-Alanine," in <i>Escherichia coli and Salmonella</i> , (Neldhardt, ed.), pp. 391-407, ASM Press: Washington, D.C., 1996.		
Examiner's Signature	CP Pullman		Date Considered	7/6/05

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		Filing Date	February 6, 2004		
		First Named Inventor	Gjalt W. Huisman		
		Group Art Unit	1652		
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Sheet	12	of	15	Attorney Docket Number	MBX 017 CON (2)

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[Signature]		SAITO & DOI, "Microbial synthesis and properties of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) in Comamonas acidovorans," <i>Int. J. Biol. Macromol.</i> 16:165 (1994).	
		SAITO, et al., "Microbial Synthesis and Properties of Poly(3-hydroxybutyrate-co-4-hydroxybutyrate)," <i>Polym. Int.</i> 39:169 (1996).	
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		SCHLEYER, et al., "Transient, specific and extremely rapid release of osmolytes from growing cells of Escherichia coli K-12 exposed to hypoosmotic shock," <i>Arch. Microbiol.</i> 160:424 (1993).	
		SHAIBE, et al., "Control of Utilization of L-Arginine, L-Ornithine, Agmatine, and Putrescine as Nitrogen Sources in Escherichia coli K-12," <i>J. Bacteriol.</i> 163:938 (1995).	
[Signature]		SMITH, et al., "Complete genome sequence of Methanobacterium thermoautotrophicum deltaH: functional analysis and comparative genomics," <i>J. Bacteriol.</i> 179:7135 (1997).	

Examiner's Signature	[Signature]	Date Considered	3/4/05
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CA		SNEDECOR, et al., "Selection, expression, and nucleotide sequencing of the glutamate dehydrogenase gene of <i>Peptostreptococcus asaccharolyticus</i> ," <i>J. Bacteriol.</i> 173:6162-6167 (1991).	
		SOHLING & GOTTSCHALK, "Molecular analysis of the anaerobic succinate degradation pathway in <i>Clostridium kluyveri</i> ," <i>J. Bacteriol.</i> 178:871-880 (1996).	
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		STIM & BENNETT, "Nucleotide sequence of the <i>adi</i> gene, which encodes the biodegradative acid-induced arginine decarboxylase of <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 175:1221 (1993).	
		STRAUB, et al., "Isolation, DNA sequence analysis, and mutagenesis of a proline dehydrogenase gene (<i>putA</i>) from <i>Bradyrhizobium japonicum</i> ," <i>Appl. Environ. Microbiol.</i> 62:221 (1996).	
		SVAB, et al., "Stable transformation of plastids in higher plants," <i>Proc. Natl. Acad. Sci. USA.</i> 87: 8526-8530 (1990).	
CA		SYNTICHAKI, et al., "The amino-acid sequence similarity of plant glutamate dehydrogenase to the extremophilic archaeal enzyme conforms to its stress-related function," <i>Gene</i> 168: 87-92 (1996).	

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CA		SZUMANSKI & BOYLE, "Analysis and sequence of the speB gene encoding agmatine ureohydrolase, a putrescine biosynthetic enzyme in Escherichia coli," <i>J. Bacteriol.</i> 172:538, (1990).	
		TELLER, et al., "The glutamate dehydrogenase gene of Clostridium symbiosum. Cloning by polymerase chain reaction, sequence analysis and over-expression in Escherichia coli," <i>Eur. J. Biochem.</i> 206:151-159 (1992).	
		THAKUR, et al., "Changes in the Electroencephalographic and γ -Aminobutyric Acid Transaminase and Succinic Semialdehyde Dehydrogenase in the Allergen Induced Rat Brain," <i>Biochem. Int.</i> 16:235-243 (1998).	
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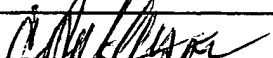
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		Filing Date	February 6, 2004		
		First Named Inventor	Gjalt W. Hulsman		
		Group Art Unit	1652		
		Examiner Name			
Sheet	15	of	15	Attorney Docket Number	MBX 017 CON (2)

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
CJH		VALLE, et al., "Complete nucleotide sequence of the glutamate dehydrogenase gene from <i>Escherichia coli</i> K-12," <i>Gene</i> 27:193-199 (1984).	
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